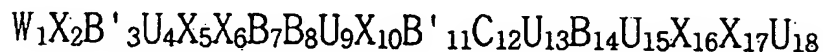


What is claimed is

1. A peptide separated from tunicate and comprising amino acid sequence represented by the below
5 <Chemical Formula 1> in which each amino acid is represented by each figure;

<Chemical Formula 1>



- 10 In the above Formula,
W represents tryptophane or its derivatives;
X represents more than one amino acid residue selected from a group consisting of tyrosine, valine, isoleucine, methionine, phenylalanine and tryptophane,
15 and the derivatives thereof;
B represents more than one amino acid residue selected from a group consisting of arginine, lysine and histidine, and the derivatives thereof;
B' represents more than one amino acid residue
20 selected from a group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine, and the derivatives thereof; and
U represents more than one amino acid residue

selected from a group consisting of glycine, serine, alanine and threonine, and the derivatives thereof.

2. The peptide as set forth in claim 1, wherein the
5 tunicate is *Halocynthia aurantium*.

3. The peptide as set forth in claim 1, wherein the W
is tryptophane, the X is one selected from a group
consisting of leucine, isoleucine and valine, the B
10 is one selected from a group consisting of
asparagine, glutamine, histidine, lysine and
arginine, the U is one selected from a group
consisting of alanine, serine, and glycine, and the
C is cysteine.

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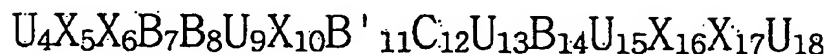
4. The peptide as set forth in claim 1, wherein the
peptide is consisted of amino acid sequence
represented by SEQ. ID. No 1 in which W₁ is
tryptophane, X₂ is leucine, B'₃ is asparagine, U₄ is
alanine, X₅ is leucine, X₆ is leucine, B₇ is
20 histidine, B₈ is histidine, U₉ is glycine, X₁₀ is
leucine, B'₁₁ is asparagine, C₁₂ is cysteine, U₁₃ is
alanine, B₁₄ is lysine, U₁₅ is glycine, X₁₆ is valine,
X₁₇ is leucine and U₁₈ is alanine.

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5. A peptide comprising amino acid sequence represented

by the below <Chemical Formula 2> in which three amino acids ($W_1X_2B'_3$) of the peptide represented by the above <Chemical Formula 1> are lost;

5 <Chemical Formula 2>



In the above Formula,

U represents more than one amino acid residue selected from a group consisting of glycine, serine, alanine and threonine, and the derivatives thereof;

X represents more than one amino acid residue selected from a group consisting of tyrosine, valine, isoleucine, leucine, methionine, phenylalanine and tryptophane, and the derivatives thereof;

15 B represents more than one amino acid residue selected from a group consisting of arginine, lysine and histidine, and the derivatives thereof; and

B' represents more than one amino acid residue selected from a group consisting of arginine, lysine and histidine or from a group consisting of asparagine and glutamine, and the derivatives thereof.

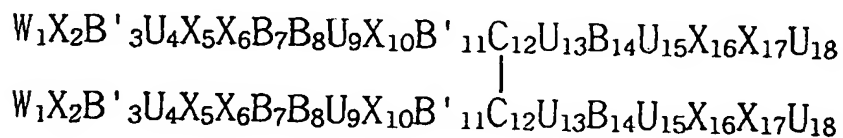
6. The peptide as set forth in claim 5, wherein the X is selected from a group consisting of leucine,

isoleucine and valine, the B is selected from a group consisting of asparagine, glutamine, histidine, lysine and arginine, the U is selected from a group consisting of alanine, serine, and glycine, and the C is cysteine.

7. The peptide as set forth in claim 5, wherein the peptide is consisted of amino acid sequence represented by SEQ. ID. No 2 in which U₄ is alanine, X₅ is leucine, X₆ is leucine, B₇ is histidine, B₈ is histidine, U₉ is glycine, X₁₀ is leucine, B'₁₁ is asparagines, C₁₂ is cysteine, U₁₃ is alanine, B₁₄ is lysine, U₁₅ is glycine, X₁₆ is valine, X₁₇ is leucine and U₁₈ is alanine.

8. A peptide represented by the below <Chemical Formula 3> wherein the peptide represented by <Chemical Formula 1> of claim 1 is combined with the other peptide represented by <Chemical Formula 2> of claim 5 at cysteine site by disulfide bond;

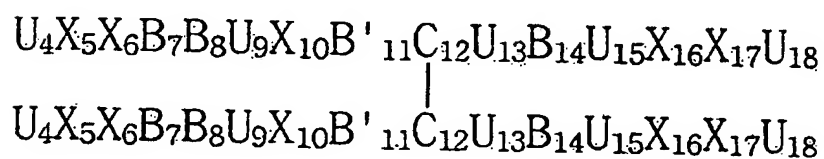
<Chemical Formula 3>



9. A peptide represented by the below <Chemical Formula 4> wherein the two peptides represented by <Chemical Formula 1> of claim 1 are combined with each other at cysteine site by disulfide bond;

5

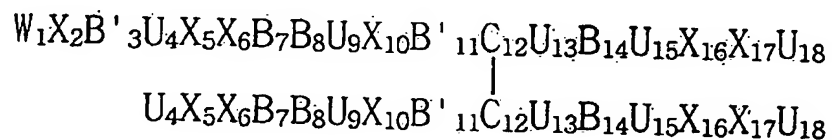
<Chemical Formula 4>



10. A peptide represented by the below <Chemical Formula 5> wherein the two peptides represented by <Chemical Formula 2> of claim 5 are combined with each other at cysteine site by disulfide bond;

10

<Chemical Formula 5>



11. An antimicrobial agent comprising one or more peptides selected from a group consisting of compounds represented by <Chemical Formula 1 - 5> as an active ingredient.

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